

NWS Form E-5

(04-2006)

(PRES. BY NWS Instruction 10-924)

U.S. DEPARTMENT OF COMMERCE

NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION

NATIONAL WEATHER SERVICE

HYDROLOGIC SERVICE AREA (HSA)

San Angelo, TX

MONTHLY REPORT OF HYDROLOGIC CONDITIONS

REPORT FOR:

MONTH

YEAR

February

2011

TO: Hydrologic Information Center, W/OS31
NOAA's National Weather Service
1325 East West Highway
Silver Spring, MD 20910-3283

SIGNATURE

Jason Johnson

DATE

March 16, 2011

When no flooding occurs, include miscellaneous river conditions below the small box, such as significant rises, record low stages, ice conditions, snow cover, droughts, and hydrologic products issued (NWS Instruction 10-924).

☒ An X inside this box indicates that no flooding occurred within this hydrologic service area.

A mostly dry weather pattern prevailed over the San Angelo Hydrologic Service Area (HSA) during February. A mix of winter precipitation and rainfall occurred on January 31st into early February 1. Much of the precipitation that was observed early on February 1 was the only moisture to support the southern half of the HSA for the remainder of the month. A few scattered light precipitation events occurred occasionally, but in general, the month was dry.

The U.S. Drought Monitor showed drought conditions intensifying across the HSA during the month. By the end of February, severe to extreme drought conditions covered much of the southern half of the HSA. The remainder of the area was depicted as experiencing abnormally dry to moderate drought conditions.

The average precipitation reported from coop observers in February was 0.68 of an inch. The highest monthly precipitation total of 2.36 inches was reported in Taylor County. Of this amount, over one inch actually fell during the evening of January 31. Coop observers in Callahan and Taylor Counties received over two inches of precipitation that was recorded in the February coop reporting period.

The San Angelo Regional Airport received 0.31 of an inch of precipitation during February, which was 0.87 of an inch below normal for the month. The monthly normal rainfall for San Angelo in February is 1.18 inches.

The Abilene Regional Airport received 0.68 of an inch of precipitation during February, which was 0.45 of an inch below normal for the month. The monthly normal precipitation for Abilene in February is 1.13 inches.

Junction received 0.44 of an inch of precipitation during February. The estimated average monthly precipitation in February is about 1.5 inches.

Coop Observer Rainfall Totals for February, 2011:

Station Name	Amount (in)		Station Name	Amount (in)
Abilene 2	2.36		Mertzon 12WNW	0.60
Acton Ranch	0.40		Oak Creek Lake	T
Albany	M		Ozona	1.60
Anson	0.85		Ozona 22SE	0.75
Ballinger 2NW	1.14		Paint Rock	0.63
Brady	0.53		Putnam	2.09
Brownwood	0.39		Red Bluff Crossing	0.69
Burkett	0.52		Robert Lee	0.40
Coleman	0.91		Roscoe	0.27
Concho Park	0.29		Rotan	0.55
Eden	0.28		San Angelo WFO	0.66
Eldorado	0.37		San Saba 7NW	0.50
Eldorado 10W	0.26		Santa Anna 12SSE	0.41
Fort Griffin	M		Silver Valley	1.13
Fort McKavett	0.49		Stamford	0.61
Glen Cove 2NE	1.13		Sterling City	0.20
Hamlin	0.23		Taylor Ranch	0.70
Haskell	0.83		Throckmorton 7NE	0.81
Hords Creek	M		Water Valley	M
Humble Pump	0.00		Water Valley 11NE	M
Junction 4SSW	0.45		Winters 1NE	0.18
Lake Abilene	1.55		Woodson	1.53
Mason	0.53			
Menard	0.14		(M) <i>Missing data</i>	
Merkel 12SW	M		(T) <i>Trace</i>	

Reservoir Conditions (end of February, 2010)

Reservoir	Conservation Capacity (Ac-Ft)	End of Month Capacity (Ac-Ft)	Percent of Capacity (%)
Fort Phantom Hill	70,030	57,580	82
Lake Stamford	52,700	49,440	96
Hubbard Creek Lake	317,800	190,790	60
Hords Creek Lake	8,800	2,660	33
Lake Brownwood	131,428	78,070	59
E.V. Spence	488,760	12,970	3
O.C. Fisher	119,200	1,970	2
O.H. Ivie	554,340	173,780	31
Twin Buttes	177,800	33,380	19

Hydro Products Issued

ESF = 2 (Probabilistic Forecast)

The NWS precipitation analysis can be viewed at <http://water.weather.gov/>.

The total monthly precipitation estimate and percent of normal precipitation for February across the San Angelo HSA is depicted below.

